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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A computer program product, tangibly embodied in an information earrier machine-readable storage device, the computer program product comprising instructions operable to cause data processing apparatus to perform operations comprising:

receiving process data items, each process data item <u>being associated with a component</u> of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream and having been collected by an agent <u>without altering the process data stream</u>;

for each process data item, identifying a <u>corresponding process</u> instance with which the process data item is associated, the <u>corresponding process</u> instance being a <u>single execution of a corresponding process</u>;

grouping the process data items that are associated with a first process instance into a first group; and

generating a reconstruction of the first process instance based on the process data items in the first group.

2. (Original) The computer program product of claim 1, wherein the operations further comprise:

modeling a process based on the reconstruction of the first process instance.

3. (Original) The computer program product of claim 1, wherein the operations further comprise:

monitoring the first process instance based on the reconstruction of the first process instance.

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4. (Original) The computer program product of claim 3, wherein the process data items are collected by the agent upon the occurrence of a predetermined condition, and wherein monitoring the first process instance comprises modifying the predetermined condition.

- 5. (Original) The computer program product of claim 3, wherein the process data items have a first type, and wherein monitoring the first process instance further comprises specifying a second type of process data item for the agent to collect.
- 6. (Original) The computer program product of claim 3, wherein the agent is associated with a first tracking point, and wherein monitoring the first process instance further comprises specifying a second tracking point with which to associate the agent.
- 7. (Original) The computer program product of claim 3, wherein the agent is associated with a first tracking point, and wherein monitoring the first process instance further comprises specifying a second tracking point with which to associate a second agent.
- 8. (Original) The computer program product of claim 2, wherein the operations further comprise generating a reconstruction of a second process instance based on the process data items in a second group, and wherein modeling the process is further based on the reconstruction of the second process instance.
- 9. (Original) The computer program product of claim 1, wherein the operations further comprise:

receiving additional process data items, each additional process data item having been collected by a second agent;

for each additional process data item, identifying a process instance with which the additional process data item is associated; and

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grouping the additional process data items that are associated with the first process instance with the first group.

10. (Currently amended) A computer program product, tangibly embodied in an information earrier machine-readable storage device, the computer program product comprising instructions operable to cause data processing apparatus to perform operations comprising:

receiving a specification of a predetermined condition;

upon the occurrence of the predetermined condition, collecting process data items, each process data item being associated with a component of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream, wherein collecting the process data items does not alter the process data stream; and

transferring the process data items to a central system operable to reconstruct a <u>corresponding process instance based on the process data items, the process instance being a single execution of the process.</u>

- 11. (Original) The computer program product of claim 10, wherein the operation of collecting the process data items occurs without modifying the component.
- 12. (Original) The computer program product of claim 10, wherein the operations further comprise:

receiving a specification of a second predetermined condition; and upon the occurrence of the second predetermined condition, collecting additional process data items associated with the component.

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13. (Original) The computer program product of claim 10, wherein the operations further comprise:

receiving a specification of a second component;

upon the occurrence of another predetermined condition, collecting other process data items associated with the second component; and

transferring the other process data items to the central system.

14. (Currently amended) A method of monitoring <u>an autonomous sequence of related steps</u> executed using a plurality of components operating in a distributed computer system specifying a process, the method comprising:

using an agent to collect process data items, each process data item being associated with a component of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the agent, each process data item being part of a respective process data stream, wherein collecting the process data items does not alter the process data stream;

transferring the process data items from the agent to a central system, the process being separate and independent from the central system;

for each process data item transferred to the central system, identifying a <u>corresponding</u> process instance with which the process data item is associated, the <u>corresponding process</u> instance being a single execution of a <u>corresponding process</u>;

grouping the process data items that are associated with a first process instance into a first group in the central system; and

generating a reconstruction of the first process instance based on the process data items in the first group.

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15. (Currently amended) A method of monitoring <u>an autonomous sequence of related steps</u> executed using a plurality of components operating in a distributed computer system specifying a process, the method comprising:

receiving process data items, each process data item <u>being associated with a component</u> of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream and having been collected by an agent without altering the process;

for each process data item, identifying a <u>corresponding</u> process instance with which the process data item is associated, the <u>corresponding process</u> instance being a <u>single execution of a corresponding process</u>;

grouping the process data items that are associated with a first process instance into a first group; and

generating a reconstruction of the first process instance based on the process data items in the first-group.

- 16. (Original) The method of claim 15, wherein the method further comprises: modeling a process based on the reconstruction of the first process instance.
- 17. (Original) The method of claim 15, wherein the method further comprises:

 monitoring the first process instance based on the reconstruction of the first process instance.
- 18. (Currently amended) A method of monitoring <u>an autonomous sequence of related steps</u> executed using a plurality of components operating in a distributed computer system specifying a process, the method comprising:

receiving a specification of a predetermined condition;

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upon the occurrence of a predetermined condition, collecting process data items, each process data item being associated with the a component of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream, wherein collecting the process data items does not alter the process data stream; and

transferring the process data items to a central system operable to reconstruct a corresponding process instance based on the process data items, the process instance being a single execution of the process.

19. (Currently amended) An apparatus comprising:

means for receiving process data items, each process data item being associated with a component of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream and having been collected by an agent without altering the process;

means for identifying a <u>corresponding process</u> instance with which each process data item is associated, the <u>corresponding process</u> instance being a <u>single execution of a corresponding process</u>;

means for grouping the process data items that are associated with a first process instance into a first group; and

means for generating a reconstruction of the first process instance based on the process data items in the first group.

20. (Original) The apparatus of claim 19, further comprising:

means for modeling a process based on the reconstruction of the first process instance.

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21. (Original) The system of claim 19, wherein the system further comprises:

means for monitoring the first process instance based on the reconstruction of the first process instance.

22. (Currently amended) A system for monitoring <u>an autonomous sequence of related steps</u> executed using a plurality of components operating in a distributed computer system specifying a process, the system comprising:

means for receiving a specification of a predetermined condition;

means for collecting process data items upon the occurrence of a predetermined condition, each process data item associated with the a component of a plurality of components operating in a distributed computer system and executing a sequence of related steps specifying a process, the process being separate and independent from the computer program product, each process data item being part of a respective process data stream, wherein collecting the process data items does not alter the process data stream—upon the occurrence of a predetermined condition; and

means for transferring the process data items to a central system operable to reconstruct a corresponding process instance based on the process data items, the process instance being a single execution of the process.